



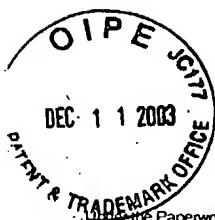
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	10/661,472
				Filing Date	September 15, 2003
				First Named Inventor	Sang-Seok Lee
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	5	Attorney Docket Number	8733.870.00-US

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CRK	AA	2001-0021000-A1	09-13-2001	Egami	
	AB	4,094,058-	06-13-1978	Yasutake et al.	
	AC	4,691,995-A1	09-08-1987	Yamazaki et al.	
	AD	5,875,922-B1	03-02-1999	Chastine et al.	
	AE	6,304,311-B1	10-16-2001	Egami et al.	
	AF	5,247,377-B1	09-21-1993	Omeis et al.	
	AG	5,511,591-	04-30-1996	Abe	
	AH	5,642,214-	06-24-1997	Ishii et al.	
	AI	5,742,370-	04-21-1998	Kim et al.	
	AJ	6,011,609-	01-04-2000	Kato et al.	
	AK	6,016,178-	01-18-2000	Kataoka et al.	
	AL	6,055,035-	04-25-2000	von Gutfeld et al.	
	AM	6,163,357-	12-19-2000	Nakamura	
	AN	6,226,067-B1	05-01-2001	Nishiguchi et al.	
	AO	6,304,306-B1	10-16-2001	Shiomi et al.	
	AP	6,414,733-B1	07-02-2002	Ishikawa et al.	
	AQ	3,978,580-A1	09-07-1976	Leupp et al.	
	AR	4,653,864-	03-31-1987	Baron et al.	
	AS	4,775,225-A1	10-04-1988	Tsuboyama et al.	
	AT	5,263,888-	11-23-1993	Ishihara et al.	
	AU	5,379,139-A1	01-03-1995	Sato et al.	
	AV	5,406,989-A1	04-18-1995	Abe	
	AW	5,499,128-A1	03-12-1996	Hasegawa et al.	
	AX	5,507,323-	04-16-1996	Abe	
	AY	5,539,545-	07-23-1996	Shimizu et al.	
	AZ	5,548,429-	08-20-1996	Tsujita	
	AA1	5,680,189-	10-21-1997	Shimizu et al.	
	AB1	5,757,451-	05-26-1998	Daisuke Miyazaki et al.	
	AC1	5,852,484-	12-22-1998	Kazuo Inoue et al.	
	AD1	5,854,664-	12-29-1998	Kazuo Inoue et al.	
	AE1	5,861,932-	01-19-1999	Masashi Inata et al.	
	AF1	5,952,678	09-14-1999	Ashida	
	AG1	5,956,112-	09-21-1999	Fujimori et al.	
	AH1	6,001,203-	12-14-1999	Yamada et al.	
	AI1	6,016,181-	01-18-2000	Shimada	
	AJ1	6,219,126-B1	04-17-2001	von Gutfeld	
	AK1	6,236,445-B1	05-22-2001	Foschaar et al.	
	AL1	6,337,730-B1	01-08-2002	Ozaki et al.	

Examiner Signature		Date Considered	12/03/04
--------------------	--	-----------------	----------

DC:50253990.1



Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	10/661,472
				Filing Date	September 15, 2003
				First Named Inventor	Sang-Seok Lee
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	5	Attorney Docket Number	8733.870.00-US

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
GRK	BA	JP-05-154923-	06-22-1993	Fukuo et al.	T <sup>6</sup>
GRK	BB	KR-2000-035302-A1	06-26-2000	Yoshihiro	
GRK	BC	JP-06-235925-	08-23-1994	Katsuya	
GRK	BD	JP-06-313870-	11-08-1994	Fukuo et al.	
GRK	BE	JP-07-084268-	03-31-1995	Hiroshi et al.	
GRK	BF	JP-08-101395-	04-16-1996	Satoru et al.	
GRK	BG	JP-09-061829-	03-07-1997	Satoru et al.	
GRK	BH	JP-10-177178-	06-30-1998	Shinichi et al.	
GRK	BI	JP-10-333157-	12-18-1998	Takayuki et al.	
GRK	BJ	JP-10-333159-	12-18-1998	Takayuki et al.	
GRK	BK	JP-11-133438-	05-21-1999	Shinichi et al.	
GRK	BL	JP-11-142864-	05-28-1999	Takashi et al.	
GRK	BM	JP-11-248930-	09-17-1999	Satoru et al.	
GRK	BN	JP-11-326922-	11-26-1999	Yuji	
GRK	BO	JP-2000-002879-	01-07-2000	Masaki	
GRK	BP	JP-2000-056311-	02-25-2000	Satoru et al.	
GRK	BQ	JP-2000-066165-	03-03-2000	Koji et al.	
GRK	BR	JP-2000-137235-	05-16-2000	Norihiko et al.	
GRK	BS	JP-2000-147528-	05-24-2000	Nobutaka et al.	
GRK	BT	JP-2000-193988-	07-14-2000	Taijin et al.	
GRK	BU	JP-2000-241824-	09-08-2000	Masanori et al.	
GRK	BV	JP-2000-284295-	10-13-2000	Satoshi et al.	
GRK	BW	JP-2000-292799-	10-20-2000	Yoshiteru et al.	
GRK	BX	JP-2000-310759-	11-07-2000	Norihiko	
GRK	BY	JP-2000-310784-	11-07-2000	Kazuo et al.	
GRK	BZ	JP-2000-338501-	12-08-2000	Hideaki	
GRK	BA1	JP-2001-005401-	01-12-2001	Kiyoshi et al.	
GRK	BB1	JP-2001-005405-	01-12-2001	Satoshi et al.	
GRK	BC1	JP-2001-013506-	01-19-2001	Seiji et al.	
GRK	BD1	JP-2001-033793-	02-09-2001	Shinichiro et al.	
GRK	BE1	JP-2001-042341-	02-16-2001	Masayuki et al.	
GRK	BF1	JP-2001-051284-	02-23-2001	Norihiko	
GRK	BG1	JP-2001-066615-	03-16-2001	Katsuki et al.	
GRK	BH1	JP-2001-091727-	04-06-2001	Koji et al.	
GRK	BI1	JP-2001-117109-	04-27-2001	Hideki et al.	
GRK	BJ1	JP-2001-133745-	05-18-2001	Satoshi et al.	
GRK	BK1	JP-2001-133799-	05-18-2001	Satoshi	
GRK	BL1	JP-2001-166272-	06-22-2001	Kiyoshi et al.	
GRK	BM1	JP-2001-166310-	06-22-2001	Takashi et al.	
GRK	BN1	JP-2001-183683-	07-06-2001	Akinori et al.	
GRK	BO1	JP-2001-201750-	10-04-2001	Kazuyuki et al.	
GRK	BP1	JP-2001-209052-	08-03-2001	Hideaki	
GRK	BQ1	JP-2001-209060-	08-03-2001	Yoshiro et al.	
GRK	BR1	JP-2001-215459-	09-13-2001	Norihiko	

Examiner Signature	<i>John Kouton</i>	Date Considered	12/05/04
--------------------	--------------------	-----------------	----------

DC:50253990.1



Approved for use through 07/31/2006, OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08a/b (08-03)

Substitute for Form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	10/661,472
				Filing Date	September 15, 2003
				First Named Inventor	Sang-Seok Lee
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	3	of	5	Attorney Docket Number	8733.870.00-US

GRK	BS1	JP-2001-222017-	08-17-2001	Kunihiro et al.
GRK	BT1	JP-2001-235758-	08-31-2001	Katsuki
GRK	BU1	JP-2001-272640-	10-05-2001	Kuniaki
GRK	BV1	JP-2001-281675-	10-10-2001	Yutaka et al.
GRK	BW1	JP-2001-281678-	10-04-2001	Hiroyuki et al.
GRK	BX1	JP-2001-282126-	10-12-2001	Masayuki et al.
GRK	BY1	JP-2001-305563-	10-31-2001	Akira et al.
GRK	BZ1	JP-2001-330837-	11-30-2001	Kazufumi
GRK	BA2	EP-1 003 066 A1-A1	05-24-2000	Egami et al.
GRK	BB2	JP-2001-356353-	12-26-2001	Satoshi et al.
GRK	BC2	JP-51-065656-	06-07-1976	Yoichir
GRK	BD2	JP-59-057221-	04-02-1984	Yoshio et al.
GRK	BE2	JP-59-195222-	11-06-1984	Osamu
GRK	BF2	JP-60-111221-	06-17-1985	Masanori et al.
GRK	BG2	JP-57-038414-A1	03-03-1982	Naoaki et al.
GRK	BH2	JP-57-088428-A1	06-02-1982	Tsutomu
GRK	BI2	JP-58-027126-A1	02-17-1983	Takao
GRK	BJ2	JP-60-164723-A1	08-27-1985	Tooru
GRK	BK2	JP-60-217343-A1	10-30-1985	Kiyohiro
GRK	BL2	JP-61-007822-A1	01-14-1986	Shinjiro
GRK	BM2	JP-61-055625-A1	03-20-1986	Norio et al.
GRK	BN2	JP-62-089025-A1	04-23-1987	Shinji et al.
GRK	BO2	JP-62-090622-A1	04-25-1987	Akihiro et al.
GRK	BP2	JP-62-205319-A1	09-09-1987	Akira et al.
GRK	BQ2	JP-63-109413-A1	05-14-1988	Yoshiro
GRK	BR2	JP-63-110425-A1	05-14-1988	Motoi
GRK	BS2	JP-63-128315-A1	05-31-1988	Toshiyasu
GRK	BT2	JP-63-311233-A1	12-20-1988	Yoko et al.
GRK	BU2	JP-05-127179-A1	05-25-1993	Hiroshi
GRK	BV2	JP-05-265011-A1	10-15-1993	Katsuki
GRK	BW2	JP-05-281557-A1	10-29-1993	Hisao et al.
GRK	BX2	JP-05-281562-A1	10-29-1993	Satoshi et al.
GRK	BY2	JP-06-051256-A1	02-25-1994	Koji et al.
GRK	BZ2	JP-06-148657-A1	05-27-1994	Yoshinori et al.
GRK	BA3	JP-06-160871-	06-07-1994	Yoshinori et al.
GRK	BB3	JP-06-265915-A1	09-22-1994	Hirotada et al.
GRK	BC3	JP-07-128674-A1	05-19-1995	Yoshiyuki et al.
GRK	BD3	JP-07-181507-A1	07-21-1995	Teruhiko
GRK	BE3	JP-08-095066-A1	04-12-1996	Kazuhiro et al.
GRK	BF3	JP-08-106101-A1	04-23-1996	Yoshiro et al.
GRK	BG3	JP-08-171094-A1	07-02-1996	Shinji et al.
GRK	BH3	JP-08-190099-A1	07-23-1996	Yoshiro et al.
GRK	BI3	JP-08-240807-A1	09-17-1996	Yoshiro et al.
GRK	BJ3	JP-09-005762-A1	01-10-1997	Hiroyuki
GRK	BK3	JP-09-026578-A1	01-28-1997	Kunihiro et al.
GRK	BL3	JP-09-073075-A1	03-18-1997	Junji et al.
GRK	BM3	JP-09-073096-A1	03-18-1997	Hideki et al.
GRK	BN3	JP-09-127528-A1	05-16-1997	Kunihiro et al.

Examiner Signature	<i>S. Park</i>	Date Considered	12/05/04
--------------------	----------------	-----------------	----------

DC:50253990.1



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

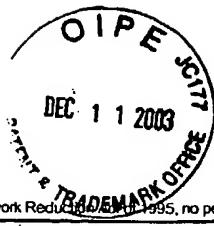
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/661,472
				Filing Date	September 15, 2003
				First Named Inventor	Sang-Seok Lee
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	4	of	5	Attorney Docket Number	8733.870.00-US

GRK	BO3	JP-09-230357-A1	09-05-1997	Teruhiko		
GRK	BP3	JP-09-281511-A1	10-31-1997	Kunihiro et al.		
GRK	BQ3	JP-09-311340-A1	12-02-1997	Satoshi		
GRK	BR3	JP-10-123537-A1	05-15-1998	Norihiko et al.		
GRK	BS3	JP-10-123538-A1	05-15-1998	Hideki et al.		
GRK	BT3	JP-10-142616-A1	05-29-1998	Hideyuki et al.		
GRK	BU3	JP-10-221700-A1	08-21-1998	Kunihiro et al.		
GRK	BV3	JP-10-282512-A1	10-23-1998	Hideyuki		
GRK	BW3	JP-11-014953-A1	01-22-1999	Takahiro		
GRK	BX3	JP-11-038424-A1	02-12-1999	Kunihiro et al.		
GRK	BY3	JP-11-064811-A1	03-05-1999	Naoto		
GRK	BZ3	JP-11-109388-A1	04-23-1999	Yuzo et al.		
GRK	BA4	JP-11-174477-A1	07-02-1999	Katsuki et al.		
GRK	BB4	JP-11-212045-A1	08-06-1999	Shirou		
GRK	BC4	JP-11-344714-A1	12-14-1999	Masaaki et al.		
GRK	BD4	JP-2000-029035-	01-28-2000	Naoya et al.		
GRK	BE4	JP-2001-117105-	04-27-2001	Takeshi		
GRK	BF4	JP-2001-133794-	05-18-2001	Kazuyuki		
GRK	BG4	JP-2001-142074-	05-25-2001	Makiko et al.		
GRK	BH4	JP-2001-147437-	05-29-2001	Makoto et al.		
GRK	BI4	JP-2001-154211-	06-08-2001	Yuichiro et al.		
GRK	BJ4	JP-2001-255542-	09-21-2001	Yuichi		
GRK	BK4	JP-2001-264782-	09-26-2001	Nobumasa et al.		
GRK	BL4	JP-2001-330840-A1	11-30-2001	Hisaoaki et al.		
GRK	BM4	JP-2001-356354-A1	12-26-2001	Hiroyuki et al.		
GRK	BN4	JP-2002-014360-A1	01-18-2002	Norihiko et al.		
GRK	BO4	JP-2002-023176-A1	01-23-2002	Koji		
GRK	BP4	JP-2002-049045-A1	02-15-2002	Takeshi		
GRK	BQ4	JP-2002-082340-A1	03-22-2002	Sadaichi et al.		
GRK	BR4	JP-2002-090759-A1	03-27-2002	Koji		
GRK	BS4	JP-2002-090760-A1	03-27-2002	Norihiko		
GRK	BT4	JP-2002-107740-A1	04-10-2002	Mitsuaki		
GRK	BU4	JP-2002-122872-A1	04-26-2002	Tetsuo et al.		
GRK	BV4	JP-2002-122873-A1	04-26-2002	Yasuo		
GRK	BW4	JP-2002-139734-	05-17-2002	Hiroyuki et al.		
GRK	BX4	JP-2002-202512-A1	07-19-2002	Akimasa		
GRK	BY4	JP-2002-202514-A1	07-19-2002	Satoshi et al.		
GRK	BZ4	JP-2002-214626-A1	07-31-2002	Shinichi		

Examiner Signature		Date Considered	12/05/04
--------------------	--	-----------------	----------

DC:50253990.1



P.T.O/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete If Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/661,472
				Filing Date	September 15, 2003
				First Named Inventor	Sang-Seok Lee
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
(Use as many sheets as necessary)				Attorney Docket Number	
Sheet	5	of	5	8733.870.00-US	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	12/05/04
--------------------	---	-----------------	----------

DC:50253990.1